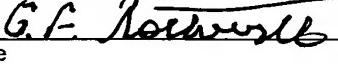


FORM PTO-1390		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No.
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		1751-404	
INTERNATIONAL APPLICATION NO. PCT/KR2004/002771		INTERNATIONAL FILING DATE October 30, 2004	U.S. Application No. (if known) 101577558 New Application
PRIORITY DATE CLAIMED October 30, 2003			
TITLE OF INVENTION PROCESSES FOR THE PREPARATION OF CEPHALOSPORIN DERIVATIVES			
APPLICANT(S) FOR DO/EO/US Dae Won SEO et al.			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 			
ITEMS 11. TO 20. below concern other document(s) or information included:			
<ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input checked="" type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: <input checked="" type="checkbox"/> RO/101 <input checked="" type="checkbox"/> ISA/220 <input checked="" type="checkbox"/> ISA/210(ISR) <input checked="" type="checkbox"/> Written Opinion <input checked="" type="checkbox"/> IB/301 <input checked="" type="checkbox"/> IB/304 <input checked="" type="checkbox"/> IB/308 (1st notice) <input checked="" type="checkbox"/> IB/308 (2nd notice) <input checked="" type="checkbox"/> IB/332 <input checked="" type="checkbox"/> IPEA/416 <input checked="" type="checkbox"/> IPEA/409(IPER) <input checked="" type="checkbox"/> Published Application WO 2005/042544 A1 			

U.S. APPLICATION NO. (if known) New Application 1751-551		INTERNATIONAL APPLICATION NO. PCT/KR2004/002771		ATTORNEY DOCKET NO. 1751-404	
The following fees are submitted:					
21. <input checked="" type="checkbox"/> Basic National Fee				\$300.00	\$ 300.00
22. <input checked="" type="checkbox"/> Examination Fee If the written opinion prepared by ISA/US or the IPER prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations..... \$200.00				\$ 200.00	
23. <input checked="" type="checkbox"/> Search Fee If the written opinion of the ISA/US or the IPER prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100.00 International Search Report prepared and provided to the Office..... \$400.00 All other situations..... \$500.00				\$ 400.00	
TOTAL OF 21,22 and 23=				\$ 900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or a fraction thereof.				\$	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof		Rate	
- 100=	/ 50			X 250.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					
Claims	Number Filed	Number Extra	Rate		
Total Claims	6-20 =	0	X \$50.00	\$	
Independent Claims	1- 3 =	0	X \$200.00	\$	
Multiple dependent claim(s) (if applicable)			+ \$360.00	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 900.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 40.00	
TOTAL NATIONAL FEE =				\$ 940.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 940.00	
				Amount to be refunded	\$
				charged	\$
a. <input type="checkbox"/> A check in the amount of \$____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 02-2135 in the amount of <u>\$ 900.00 and 40.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2135. A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: Customer No. 6449			 Signature <u>G. Franklin Rothwell</u> Name		
G. Franklin Rothwell Rothwell, Figg, Ernst & Manbeck 1425 K St., N.W. Washington, D.C. 20005 Phone: 202/783-6040			<u>18,125</u> Registration Number		

10/577551

AP20 Rec'd PCT/P70 28 APR 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 371 of PCT/KR2004/002771
Applicant : Dae Won SEO et al.
Filed : Herewith
TC/A.U. : Not Yet Assigned
Examiner : Not Yet Assigned

Docket No. : 1751-404
Customer No. : 06449
Confirmation No. : Not Yet Assigned

SUBMISSION OF SUBSTITUTE SPECIFICATION

Director of the United States Patent
and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

A substitute specification is being submitted herewith. A clean copy and marked copy
of the specification are attached. No new matter has been added.

Respectfully submitted,

By: G. F. Rothwell
G. Franklin Rothwell
Registration No. 18,152
Attorney for Applicant
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